

ABSTRACT

A method for generating a predictor of failure  
of a manufacturing process. The predictor is  
generated by generating a candidate solution for the  
5 predictor and then determining a fitness of the  
candidate solution using fitness cases pertaining to  
the manufacturing process and a set of costs  
associated with the manufacturing process. The  
fitness may then be used to formulate a next  
10 generation of candidate solutions for a design method  
modeled on evolution.